

ABSTRACT OF THE DISCLOSURE

[0087] A system and method for treating cells of a site in the body, such as at a lens capsule or choroid of an eye. The system and method employs an energy emitting device, and a positioning device, adapted to position the energy emitting device at a position in relation to the cells at the site in the body, such as the cells of the choroid or the lens capsule, so that energy emitted from the energy emitting device heats the cells to a temperature which is above body temperature and below a temperature at which protein denaturation occurs in the cells, to kill the cells or impede multiplication of the cells. The energy emitting device can also include a container containing a heated fluid that can include indocyanine green, which heats the cells to the desired temperature. Alternatively, the energy emitting device can include a laser diode, or a probe that emits radiation, such as infrared or ultraviolet radiation, laser light, microwave energy or ultrasonic energy. The system and method can further employ a material delivery device that can be unitary with or separate from the energy emitting device, and can provide a material, such as indocyanine green, to the cells at the site of interest. A light emitting device can be controlled to direct light onto the site of interest to activate the material present at the cells to alter a physical characteristic of the cells.

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